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X. *Of the Currents at the Streights Mouth.* By
 Capt. - - - - Communicated by Dr. Hudson.

Cape *Spartel*, and Cape *Trafalgar*, from the western Ocean, are known to make the *Streights Mouth*, from whence a Current, in the middle of the Channel (which is about five Leagues broad) betwixt the *Barbary* and *Spanish* Land, runs, at least, two Miles each Hour, as far as *Ceuta* Point ; and there the two Coasts opening about eighteen Leagues distant from each other, the Current does not run above one Mile an Hour, and so continues as far as Cape *de Gat*, which is seventy Leagues up the *Mediterranean*. Our Mariners observe a Current to set to the western Sea, or the great Ocean from *Ceuta*, along the *Barbary* Shore ; and, from *Gibraltar*, along the *Spanish* Shore ; but that on the *Barbary* Shore is generally their common Rout, not only as being the freest from Rocks and less dangerous, but by reason that the Tide is much stronger, than it is on the other Side, which the sooner helps the Ships out of the *Streights*, which are the narrowest betwixt the Points of *Gibraltar* and *Ceuta* ; at which last Place, a Neck of Land extends itself a considerable Way into the Sea ; and it's my Opinion, and that of others, that whereas the Current runs, as abovesaid, two Miles an Hour against this Neck of Land, the Water there meets with so violent an Opposition in its Course, as occasions it to rebound with so much Force, that Part of it returns back along the same Coast, and so out of the *Streights Mouth* ; which, with the small Tide that sets out on the *Spanish* Shore, it's believ'd, may exhaust a considerable Part of that Current, which continually sets

in, to the Eastward, at the Rate I have already mention'd. What I look upon to be very remarkable, is that in the Year 1712, Monsieur *du L'aigle*, that fortunate and generous Commander of the Privateer call'd the *Phœnix* of *Marseille*, giving Chase, near *Ceuta* Point, to a *Dutch* Ship bound for *Holland*, he came up with her in the middle of the Gut, or *Streights*, betwixt *Tariffa* and *Tangier*, and there gave her one Broad-side, which directly sunk her, all her Men being sav'd by the Means of Mons. *du L'aigle*; and a few Days after, the sunk Ship, with her Cargo of Brandy and Oil, arose on the Shore near *Tangier*, which is, at least, four Leagues to the Westward of the Place were she sunk, and directly against the Strength of the Current; which has persuaded many Men, that there is a Recurrency in the deep Water in the middle of the Gut, that sets outwards to the grand Ocean, which, I think, this Accident very much demonstrates; and possibly, a great Part of the Water, which runs into the *Streights*, does return that Way, and along the two Coasts which I have already mention'd; otherwise, this Ship of Course, must have been drove towards *Ceuta*, and so upwards. I was at *Gibraltar* when this happen'd, where I saw above 100 of the Butts of that Cargo of Brandy, which were sent thither from *Tangier*; I likewise spoke with the Captain of the *Dutch* Ship, who told the Governor, myself, and many others, where his Vessel sunk; and her rising afterwards at *Tangier*, appear'd very unaccountable to us, as it does to me to this Day; for there's no Doubt but the Ship sunk where the *Dutchman* told us, since the *Spaniards* from the Land, who saw it, confirm'd it to us. The Water in the Gut must be very deep, several of the Commanders of our Ships of War having attempted to sound it with the longest Lines they could contrive, but could never find any Bottom.